

# City of Alexandria, Virginia

## MEMORANDUM

DATE: NOVEMBER 16, 2016

TO: MEMBERS OF THE TRANSPORTATION COMMISSION

FROM: CARRIE SANDERS, DEPUTY DIRECTOR

SUBJECT: AGENDA ITEM #4 - PRELIMINARY RECOMMENDATION FOR FY 2018-FY 2023 CONGESTION MITIGATION AND AIR QUALITY IMPROVEMENT PROGRAM (CMAQ) AND REGIONAL SURFACE TRANSPORTATION PROGRAM (RSTP) PROGRAM FUNDING REQUESTS

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**ISSUE:** Consideration of the FY 2018-FY 2023 Congestion Mitigation and Air Quality Improvement Program (CMAQ) and Regional Surface Transportation Program (RSTP) project funding request.

**RECOMMENDATION:** Transportation Commission review the proposed list of CMAQ/RSTP projects for FY 2018 – FY 2023, hold a public hearing, and develop a recommendation for City Council consideration and approval at their November 28, 2015 meeting.

**DISCUSSION:** Since 1993, the Commonwealth has allocated CMAQ and RSTP funding to the northern Virginia region. CMAQ funds are allocated to metropolitan regions that do not meet Clean Air Act regulations. These funds must be used for activities that improve air quality and cannot be used to increase the capacity of roadways. RSTP funds are very flexible funds that can be used for a wide range of regional transportation activities.

The historical funding allocations for Alexandria are shown below.

**City of Alexandria Annual CMAQ/RSTP Funding**

<b>Year</b>	<b>Alexandria Funding</b>
FY 2017	\$4,280,609
FY 2018	\$3,866,450
FY 2019	\$4,560,200
FY 2020	\$4,232,237
FY 2021	\$4,280,860
FY 2022	\$4,000,000
FY 2023	\$4,300,000

The City of Alexandria must submit its FY 2023 CMAQ/RSTP funding request to the Northern Virginia Transportation Authority (NVTA) by December 16, 2016.

**FY 2018 – FY 2023 CMAQ-RSTP Proposed Program**

	FY18	FY19	FY20	FY21	FY22	FY23
West End Transitway Operations	\$0	\$0	\$0	\$0	\$0	\$1,000,000
Bus Shelters	\$108,150	\$152,400	\$203,079	\$823,123	\$500,000	\$400,000
New Electronic Payment Program	\$0	\$0	\$0	\$100,000	\$1,000,000	\$0
Transportation Demand Management	\$493,000	\$526,000	\$600,000	\$600,000	\$650,000	\$400,000
Bike Sharing	\$699,000	\$368,000	\$402,000	\$350,000	\$400,000	\$250,000
ITS Integration	\$108,150	\$152,400	\$203,079	\$223,123	\$1,000,000	\$400,000
DASH Technology	\$0	\$0	\$0	\$0	\$0	\$600,000
Backlick Run	\$200,000	\$1,919,000	\$0	\$0	\$0	
Pedestrian and Safety Mobility Enhancements on Primary Corridors	\$0	\$0	\$0	\$0	\$0	\$1,000,000
Parking Technologies	\$218,150	\$352,400	\$203,079	\$630,123	\$450,000	\$250,000
Commuter Outreach	\$600,000	\$0	\$0	\$600,000	\$0	\$0
Transit Analysis Study	\$0	\$0	\$500,000	\$0	\$0	\$0
Transitway Enhancements	\$0	\$500,000	\$500,000	\$454,491	\$0	\$0
Braddock Road Multimodal Connections	\$500,000	\$0	\$0	\$0	\$0	\$0
Bicycle and Pedestrian Improvements	\$0	\$340,000	\$0	\$0	\$0	\$0
Van Dorn-Beauregard Bicycle Facility	\$0	\$250,000	\$1,171,000	\$0	\$0	\$0
Transportation Master Plan	\$0	\$0	\$0	\$500,000	\$0	\$0
Van Dorn Improvements	\$940,000	\$0	\$0	\$0	\$0	\$0
DASH Bus Replacement *	\$0	\$0	\$450,000	\$0	\$0	\$0
<b>CMAQ/RSTP Subtotal</b>	<b>\$3,866,450</b>	<b>\$4,560,200</b>	<b>\$4,232,237</b>	<b>\$4,280,860</b>	<b>\$4,000,000</b>	<b>\$4,300,000</b>

\*CMAQ funds sponsored by the FHWA cannot be used to buy buses. Funds will be reallocated through the NVTA reprogramming

The City of Alexandria's proposed \$4,300,000 application for FY 2023 is shown in the preceding table and includes the following projects, listed in priority order:

**West End Transitway Operations**

The City continues to advance the West End Transitway towards implementation and plans to begin operations in the early 2020's. This new transit service will connect existing and developing West End neighborhoods to large employment centers such as the Mark Center and Pentagon and to regional transit connections at the Van Dorn Metrorail station, Southern Towers, Shirlington, and the Pentagon Metrorail station. These funds will fund a portion of the annual operating costs. **Proposed Funding: \$1,000,000**

### Bus Shelters

The City has been making major efforts recently to upgrade transit stops. The City is beginning to install new bus shelters which replace the bus shelters WMATA erected in the late 1970's and early 1980's. One major area which still requires upgrading are the bus shelters at the Van Dorn and Braddock Road Metrorail stations. Therefore the City proposes using some of its RSTP or CMAQ funds to install new state-of-the art bus shelters at these locations. If budgets permit, these shelters will include lighting and real-time bus information. **Proposed Funding: \$400,000**

### Transportation Demand Management

The primary goal of the City's Transportation Demand Management (TDM) program is to reduce the number of single occupant vehicles (SOV) during peak travel times. To do this, the TDM program has developed an extensive set of techniques to encourage City residents and employees to use a variety of modes, such as transit, bikeshare, carsharing, ridesharing, and teleworking. In 2011, the City completed a Long Range TDM Plan, outlining goals and strategies to enhance its TDM program. The plan is currently being updated to include a six-year horizon and performance measures to provide more specific strategies and recommendations. These TDM funds will help implement the recommendations of the Long Range TDM Plan, reduce congestion, and improve air quality in the City and the region. **Proposed Funding: \$400,000**

### Bike Sharing

In 2012, the City launched Capital Bikeshare in Alexandria with eight stations. The program expanded to 16 stations in August 2014, and currently has 31 stations. These bikeshare funds would allow for expansion, as well as the replacement of bicycles that have been operational for more than five years, and stations that have been operational for over ten years. Staff continues to identify additional funding sources to expand the program through development contributions, sponsorships and grants. **Proposed Funding: \$250,000**

### ITS Integration

The project consists of designing a smart transportation network for the City. Phase I of the project is complete, which involved the installation of 11 traffic cameras, a control center, and the installation of fiber optic cable and conduit to cover 30 percent of the network area. These funds will go toward program expansion to all of the city's, intersections, and allow for facilities coordination with the Alexandria Fire Department and Police Department. Much of this work will focus on designing and constructing a broadband communications network, installing traffic cameras and other field devices such as weather stations, flood monitoring equipment, and pavement temperature sensors. **Proposed Funding: \$400,000**

### DASH Technology

Technology is an integral part of delivering high quality transit service to riders and a vital tool that transit providers need to deliver efficient, reliable service. These funds will enable DASH to upgrade existing technology, and implement new technology enhancements to the bus fleet and behind the scenes system management. **Proposed Funding: \$600,000**

#### Pedestrian Safety and Mobility Enhancements on Primary Corridors

The project improves important pedestrian safety and mobility enhancements along primary roadway corridors with high volumes and speeds, and a history of pedestrian fatalities. It would implement recommendations for priority sidewalk projects and Pedestrian Case Study Areas in the City's Pedestrian and Bicycle chapter of the Transportation Master Plan. **Proposed Funding: \$1,000,000**

#### Parking Technologies

This project funds the implementation of improved parking management techniques, such as multi-space meters, real-time parking management, performance parking, and pay-by-phone parking. Improving parking management in the City will reduce congestion and vehicle miles traveled by increasing drivers' ability to find and access parking. **Proposed Funding: \$250,000**